

Type of material

Pure acrylic dispersion paint with BLUE-BIO.FILM.STOP technology. Particularly recommended for ceilings and walls in sanitary areas as well as in warehouses and production rooms with medium to phased high moisture load. FAKOLITH's modern BIO.FILM.STOP technology protects the paint film effectively and reliably against the infestation of mold and bacteria.

Properties



- Surface protection against mold, virus and bacteria infestation by tested BLUE-BIO.FILM.STOP technology (DIN EN 15457:2014-11, ISO 21702:2019-05, ISO 22196:2011-08).
- Wet abrasion resistance: Class 1
- Contrast ratio: Opacity class 1 ($< 5 \text{ m}^2/\text{L} / \text{C1}$)
- SD-value = 0.27 m (V_2)
- W-value = 0.08 (W_3)
- Low odor
- Suitable for daily cleaning
- Resistant to aqueous disinfectants
- Excellent adhesion

BLUE-BIO.FILM.STOP Technology

The selected combination of active substances creates a paint film with high qualitative and quantitative resistance to viruses, bacteria and fungi. The tests were carried out in accordance with DIN EN 15457:2014-11 (testing the effectiveness of film protection - Aspergillus, Cladosporium, Penicillium), ISO 21702:2019-05 (measuring antiviral activity on plastics - Feline coronavirus, Strain Munich) and ISO 22196:2011-08 (measuring antibacterial activity on plastics - Escherichia coli, Listeria monocytogenes, Bacillus subtilis, Pseudomonas aeruginosa). BIO.FILM.STOP technology has a preventive effect in the reversible phase. The formation of a biofilm on the surface of the coating is demonstrably inhibited by BioFilmStop prophylaxis.

FAKOLITH FK 10 complies with the food hygiene requirements of Regulation (EC) 853/2004, Chapter II, "Special requirements for rooms where food is prepared, treated or processed".

Areas of application

FAKOLITH FK 10 is especially suitable for applications

- In swimming pools
- in wellness areas
- in the food industry
- in health care sector
- in hospitals
- in the pharmaceutical industry

Due to BLUE-BIO.FILM.STOP technology, the protected color film provides maximum sterility for ceilings and walls in sanitary areas, kitchens and rooms where food is stored and produced.

Further recommendation:

For damp rooms where food is produced and the painted surfaces are cleaned daily, we recommend the highly durable dispersion paint DISPERLITH ELASTIC. For substrates in direct contact with foodstuffs, we recommend our products DISPERLITH FOODGRADE or FK 45 FOODGRADE, tested and certified

according to VO (EC) 1935/2004, VO (EC) 1895/2005, VO (EC) 2023/2006, VO (EU) 10/2011, VO (EU) No. 1282/2011. If you have any questions, please contact our technical department.

Substrates

Substrate preparation in accordance with the German Construction Contract Guidelines (VOB). Substrates must be dry and free from contamination and separating substances. Observe German Construction Contract Guidelines (VOB), Section C, DIN 18363, part 3. The Substrate pre-treatment depends on the substrate:

- **Concrete:**
If necessary, remove release agent residues with FAKOLITH FK 11 Cleaner. Remove sanding substances and pretreat substrate with FAKOLITH FK 16 Deep Primer.
- **Mineral plasters:**
Prime with FAKOLITH FK 16 Deep Primer or DISPERLITH PRIMER.
- **Mold and bacteria infested substrates:**
Clean with FAKOLITH FK 12 diluted 1:4 with water. Then apply FAKOLITH FK 14 aqueous antifungal solution generously. After cleaning, check substrate for strength and, if necessary, apply FAKOLITH FK 16 deep primer.

As an alternative to FAKOLITH FK 14 Antifungal and FAKOLITH FK 16 Deep Primer, DISPERLITH PRIMER can be used. Processing of DISPERLITH PRIMER from +4°C.
- **Yeast and bacteria infested substrates:**
Clean with FAKOLITH FK 39. Then apply FAKOLITH FK 14 aqueous antifungal solution. After cleaning, check substrate for strength and, if necessary, apply FAKOLITH FK 16 deep primer.

As an alternative to FAKOLITH FK 14 and FAKOLITH FK 16, DISPERLITH PRIMER can be used. Processing of DISPERLITH Primer from +4°C.
- **Substrates with soiling due to grease, oil, soot:**
Clean with FAKOLITH FK 11 diluted 1:20 with water. After cleaning, check substrate for strength and, if necessary, apply FAKOLITH FK 16 Deep Primer.
- **Coatings that are not load-bearing:**
Remove and clean substrate. Apply FAKOLITH FK 16 Deep Primer or DISPERLITH PRIMER.
- **Load-bearing emulsion paints:**
Check the strength of the old coating(s). Clean substrate. If necessary, solidify chalky surfaces with FAKOLITH FK 16 Deep Primer or DISPERLITH PRIMER.
- **Iron, steel, stainless steel, aluminum, copper, powder coated metals:**

Prepare surface and remove residues of oil, grease, salt or dirt. Recommendation: Apply FAKOLITH FK 11 Cleaner diluted 1:20 with water and clean off immediately. Wipe down with solvent to prevent corrosion.

Information on surface preparation methods can be found in DIN EN ISO 12944-4.

Remove rust from oxidized surfaces. Coat with FAKOLITH FK 9, allow to react for 10 minutes and wash off again. Dry substrate for 1 hour and wipe with solvent (e.g. Universal Thinner).

Apply FAKOLITH FK 44-POX rust protection primer and adhesion promoter in 1-2 working steps. FAKOLITH FK 44-Pox is odorless and can be applied at temperatures from +4° C.

The adhesion of FK 44-POX to powder-coated substrates must be confirmed by means of a tensile adhesion test.


Please read the technical information and safety data sheets before application. Observe substrate moisture, check the strength of the old coatings by means of cross-cutting and clarify the spatial/temporal conditions on the object.

Carrying out renovation and maintenance work in industrially used spaces requires sound planning. We recommend inquiring about the individual requirements for the coating and clarifying the conditions on site before starting the work:

- Which cleaning agents are used in which concentration, at which temperature and how often during the daily production process?
- What are the temperatures/humidity during the execution of the renovation works?

We recommend detailed coordination of the work, taking into account the processing conditions and the expected drying times. When will production start up again? What moisture load is to be expected and when will the first cleaning of the renovated section take place?

Processing	Stir FAKOLITH FK 10 well. Application by brush, roller or airless spraying. For spray application we recommend the following setting: Nozzle = 5/17. Spray pressure 200bar. Application: Dilute 5% with water.
Binder	Pure acrylate
VOC content	Category: a (Wb) Maximum 30 g/l VOC (Directive 2004/42/EC). The product contains max. 30 g/l VOC.
Pigmentation	Titanium dioxide rutile
Density	Density (23°C ±0.5): 1.44 ±0.02 g/cm³.
Flash point	Not applicable
Viscosity	Viscosity (ASTM 3, 250 upm at 23°C ±0.5): 1750 mPa - s. ± 250
Solid materials	65% ± 2%
Gloss level	Matt (DIN EN 13300)
P.V.C.	77% (pigment volume concentration)

Colour shade	White.
Tinting	Tinting ex works possible on request.
Tinting paste	Possible with binder-free color pastes for waterborne systems up to max. 3%.
Consumption	Approx. 250 ml/m². Consumption depends on the structure and absorbcency of the substrate. Application in 2 layers.
Dilution	Dilute primer coat with water up to max. 5%. Apply the final coat undiluted.
Drying time	Drying time between coats approx. 3h, completely dry after approx. 24h. Fully loadable by industrial cleaning after approx. 48h (+20°C / 60% relative humidity). Lower temperatures, high humidity and low air circulation extend the drying times.
Application temperature	Minimum processing temperature +6°C. Maximum humidity 70%.
Compatibility	Do not mix with other colors.
Storage	24 months in a closed container. Do not store at temperatures below 5°C or above 30°C.
Container	2.5, 5 and 12.5 liter buckets.
Occupational safety	For proper handling, read the Safety Datasheet, use your personal protective equipment and take the prescribed measures.
Disposal	Dispose of contents / container in accordance with local / regional / national / international regulations.
Note	<p>A successful renovation requires professional planning and comprehensive documentation. We can offer you the "FAKOLITH Checklists" and the property-related "Renovation Concepts" for this purpose. These documents are available on the internet at www.fakolith.de. Our consultants would be very happy to offer you a personal consultation.</p> <p>Use biocides safely. Always read label and product information before use.</p>
Safety Datasheet	

LEGAL NOTICE:

The companies FAKOLITH Farben GmbH and FAKOLITH Chemical Systems S.L.U. are certified according to the quality management system DIN EN ISO 9001:2015 by TÜV Rheinland Cert, Cert. No. 01100071679/01.



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